

Amendments to the Specification:

Please replace the paragraph beginning at page 6, line 7 with the following amended paragraph:

The probability values can be calculated based on one or more probability functions. Alternatively, the probability values can be calculated based on a feed forward neural network. The calculation of probability values is discussed in more detail in co-pending U.S. Application No. 10/639,238, ~~\_\_\_\_\_TBD\_\_\_\_\_~~, filed on August 11, 2003, entitled "Object Detection Using Dynamic Probability Scans", issued as U.S. Patent No. 6,912,298, the disclosure of which is incorporated here by reference in its entirety.